

## Enabling Transformation Through Innovative Technologies

As a passionate technologist, I am excited to share my insights on innovative technologies that are shaping the future.

In this series of articles, I will explore a wide range of cutting-edge technologies, including Artificial Intelligence (AI), Post-Quantum Cryptography (PQC), Blockchain Technology and more.

I will discuss their potential to impact various industries and aspects of our lives and how they can be applied to solve real-world problems.

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### Latest News

Image generated using MidJourney - A Network of digital nodes in red and blue hues

Bug Discovered in Quantum Algorithm for Lattice-Based Cryptography

by Sebastien Rousseau (22 Apr 2024)

A bug in Yilei Chen's quantum algorithm for solving LWE has been found, temporarily securing lattice-based cryptography and highlighting the need for ongoing research.

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Banner Image of Network nodes in a digital blue space

Quantum Algorithm Challenges Lattice-Based Cryptography

by Sebastien Rousseau (15 Apr 2024)

New quantum algorithm solves key crypto problem, urges research into quantum-safe

e security.

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Banner for the Fully Homomorphic Encryption

OpenVoiceLeading Innovation in Voice Cloning Technology

by Sebastien Rousseau (01 Apr 2024)

Explore OpenVoice's groundbreaking voice cloning tech, offering unmatched speed, accuracy, and control in synthetic speech generation.

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Banner for the Fully Homomorphic Encryption

Fully Homomorphic Encryption (FHE) in a Banking Quantum Era

by Sebastien Rousseau (25 Mar 2024)

Explore how Fully Homomorphic Encryption revolutionises data security in Banking and the Financial Industry, ensuring privacy against quantum computing threats.

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Banner for the Apple MM1

Advancing AI with Multimodal LLMsInsights from MM1

by Sebastien Rousseau (18 Mar 2024)

Explore Apple's MM1 paper on Multimodal Large Language Models (MLLMs). Learn about their architecture, pre-training strategies, and AI potentials.

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Banner for Real-time automatic speech recognition (ASR)

Accelerating Real-Time Speech Recognition on macOS with OpenAI Whisper

by Sebastien Rousseau (12 Mar 2024)

Explore how OpenAI Whisper and Metal Performance Shaders are transforming real-time speech recognition on macOS, offering unparalleled speed and accuracy.

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Banner for RustLogs (RLG)

Unleashing the Power of Logging in Rust with RustLogs (RLG)

by Sebastien Rousseau (08 Mar 2024)

Discover RustLogs (RLG), the flexible logging library for Rust with structured log formats, asynchronous logging, and extensive customisation options.

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